

IP DATA TRANSMISSION NETWORK USING A ROUTE SELECTION BASED ON
LEVEL 4/5 PROTOCOL INFORMATION

Abstract

5 Data transmission system for transmitting packets of data from a
source workstation (10) to a destination workstation (18)
wherein the packets of data are transmitted over at least an IP
network (14) between an ingress node (16) connected to the
source workstation and an egress node (20) connected to the
destination workstation, wherein each router within the
intermediary nodes along the data path from the ingress node to
the egress node determines the best route in a routing table
defined by the contents of a field contained in each packet of
data being received. For this, the router of the ingress node
comprises a configuration table which defines the contents of
the TOS field in function of information associated with the 4/5
level protocol such as TCP or UDP.